

WE CLAIM:

[cl001] A composition comprising a crude extract containing at least one annonaceous acetogenin, wherein the crude extract is prepared from at least one species in the group consisting of the annonaceous genera *Asimina*, *Annona*, *Goniothalamus*, *Uvaria*, *Disepalum*, *Xylopia*, and *Rollinia*.

[cl002] A composition in accordance with claim 1, wherein the crude extract is in a capsule form.

[cl003] A composition in accordance with claim 1, wherein the crude extract is in tablet form.

[cl004] A composition in accordance with claim 1, wherein the crude extract is in tincture or liquid form.

[cl005] A composition in accordance with claim 1, wherein said species is *Asimina triloba*.

[cl006] A composition in accordance with claim 5, wherein the crude extract is prepared from twigs of the *Asimina triloba*.

[cl007] A method for extracting a crude extract, comprising the steps of :

- (a) obtaining one or more twig, unripe fruit, seed, bark or other bioactive plant part, or any combination thereof, the one or more twig, unripe fruit, seed, bark or other bioactive plant part being of a genus selected from the group consisting of *Asimina*, *Annona*, *Goniothalamus*, *Uvaria*, *Disepalum*, *Xylopia*, and *Rollinia*;
- (b) drying the one or more twig, unripe fruit, seed, bark or other bioactive plant part in a forced air drier at less than 50°C to form a mass;
- (c) placing the mass in a sieve to form a sieved product;
- (d) pulverizing the sieved product in a chipper to form a pulverized product;
- (e) placing the pulverized product in a percolator;
- (f) performing at least one water extraction on the pulverized product;
- (g) performing at least one ethanol extraction on the pulverized product to provide an ethanolic extract;
- (h) concentrating the ethanolic extract, *in vacuo*, at about 50°C, to form a syrup;
- (i) allowing the syrup to settle into a crude extract layer and a water layer;
- (j) removing the water layer from the crude extract layer to form a concentrate;
- and
- (k) spray drying the concentrate onto an inert carrier to facilitate encapsulation or tableting.

[cl008] The method of claim 7, further comprising the step of standardizing the crude extract for zero percent moisture and an LC<sub>50</sub> value of 0.5 ppm in a BST.

[cl009] The method of claim 7, further comprising the step of standardizing the crude extract for a range of 10-40% moisture, and an LC<sub>50</sub> value in a range of 0.2-0.8 ppm in a BST.

[cl010] A method for decreasing tumor antigen levels by administering an effective amount of the composition of claim 1.

[cl011] A method for decreasing tumor size by administering an effective amount of the composition of claim 1.

[cl012] A method for treatment of cancer by administering 12.5 mg four times daily of the composition of claim 1.

[cl013] A method for determining a patient's tolerance to a crude extract including the steps of:

- (a) ingesting 12.5 mg of a composition comprising a crude extract containing at least one annonaceous acetogenin, wherein said crude extract is prepared from at least one species from the group consisting of the annonaceous genera *Asimina*, *Annona*, *Goniothalamus*, *Uvaria*, *Disepalum*, *Xylopia*, or *Rollinia*., on day one;
- (b) ingesting 25 mg of the crude extract composition on day two;
- (c) ingesting 37.5 mg of the crude extract composition on day three; and
- (d) ingesting 50 mg of the crude extract on day four.

[cl014] The method of claim 13, further comprising the steps of:

- (a) evaluating the patient's tolerance daily after ingesting the crude extract.